

ppl. No. 09/964,412; Filed: September 28, 2001
 kt. No. 0609.4370004; Group Art Unit: 1633
 inventors: de la Monte *et al.*; Tel: 202/371-2600
 title: Transgenic Animals and Cell Lines for Screening Drugs
 effective for the Treatment or Prevention of Alzheimer's Disease

1	ttttttttggat	ATG GAG TTT TCG CTC TTG CCC AGG CTC GAG TGC AAT GCC GCA ATC	62
	M E F S L L P R L E C N G A I		16
63	TCA GCT CAC CGC AAC CTC CCC CTC CGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA	122	
17	S A H R N L R L P G S S D S P A S P		36
123	GTA GCT CGG ATT ACA CGG ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTA GTA	182	
37	V A G I T G M C T H A R L I L Y F F L V		56
183	GAG ATG GAG TTT CTC CAT GTT CGT CAG GCT CTC GAA CTC CCG ACC TCA GAT GAT CCC	242	
57	E M E F L H V G Q A G L E L P T S D D P		76
243	TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT CCC CGG CTC TGC CTC	302	
77	S V S A S Q S A R Y R T G H H A R L C L		96
303	GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC	362	
97	A N F C G R N R V S L M C P S W S P E L		116
363	AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG CAT TAC AGG CGT GCA GCC GTG CCT	422	
117	K Q S T C L S L P K C W D Y R R A A V P		136
423	GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT CCC ACT CTT ACC CAG GAT GAA GTG	482	
137	G L F I L F F L R H R C P T L T Q D E V		156

FIG. 1A

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483 CAG TGG TGT GAT CAC AGC TCA CTG CAG CCT TCA ACT CCT GAG ATC AAG CAT CCT CCT GCC 542
 157 Q W C D H S S L Q P S T P E I K H P P A 176

543 TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGC CTA ATT TTT ATT 602
 177 S A S Q V A G T K D M H H Y T W L I F I 196

603 TTT ATT TTT AAT TTT TTC AGA CAG ACT CTC AAC TCT GTC ACC CAG CCT GCA GTG CAG TCC 662
 197 F I F N F L R Q S L N S V T Q A G V Q W 216

663 CGC AAT CCT GGC TCA CTG CAA CCT CTG CCT CCC GGG TTC AAG TTA TTC TCC TGC CCC AGC 722
 217 R N L G S L Q P L P G F K L F S C P S 236

723 CTC CTC ACT AGC TGC GAC TAC AGC CGC CCA CGC CCA CGC CCA CGC CCA CGC CCA CGC 782
 237 L L S S W D Y R R P P R L A N F F V F L 256

783 GTA GAC ATG CCC TTC ACC ATG TTC CCC ACC TTG ATC ATC TCT GCA CCT TGT GAT CTC 842
 257 V E M G F T M F A R L I L I S G P C D L 276

843 CCT GGC TCG GGC TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC CAC CCC CGG CTT ATT 902
 277 P A S Q S A G I T G V S H H A R L I 296

903 TTT AAT TTT TGT TTG TAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TOG 962
 297 F N F C L F E M S H S V T Q A G V Q W 316

FIG. 1B

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963	CCA AAT CTC CGG TCA CCT CTG CAA CCT CTC AAG CGA TTC CCC GGG CTC TCC TGT CTC AGC	1022
317	P N L G S L Q P L P G L K R F S C L S	336

337	L P S S W D Y C H	L P H P A N F C I	F	356
1023	CTC CCA AGC AGC TGG GAT TAC GGG CAC CTC CCA CAC CCC GCT AAT TTT TGT ATT TTC			1082

1143 ACG CTC AGG Tgac 1143
1083 ATT AGA GGC GGG GTT TCA CCA TAT TTG TCA CCC TGG TCT CAA ACT CCT GAC CTC AGG tgcac 1143
357 I R G G V S P Y L S G W S Q T P D L R 375

11144 ccaccttcaqaccttccaaaaatccaaaaatggcgctatatttagat 1223

atataccaaatgggggggtcttqactatqttqcccaaggctgggtcttccaaatggccca 1303

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FIG. 2D

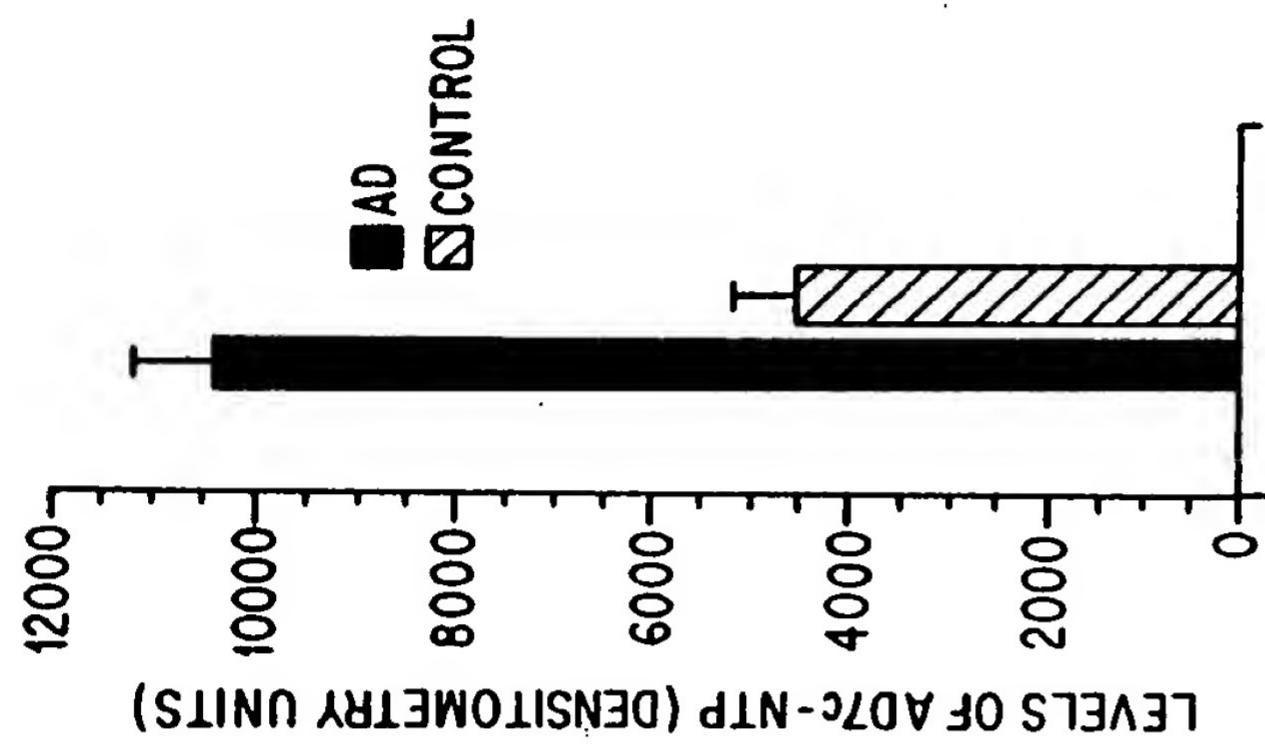


FIG. 2A FIG. 2B FIG. 2C

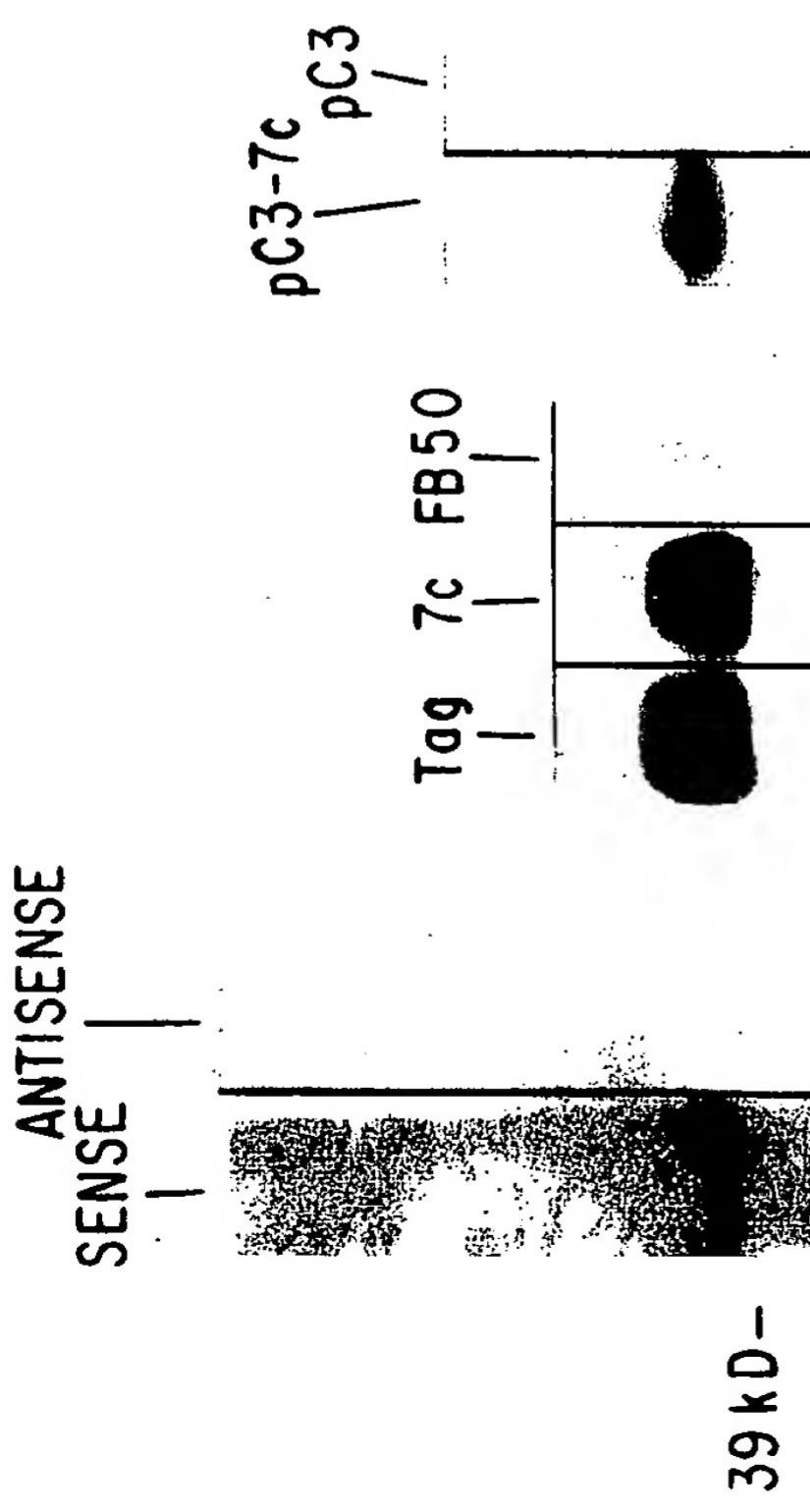


FIG. 2E

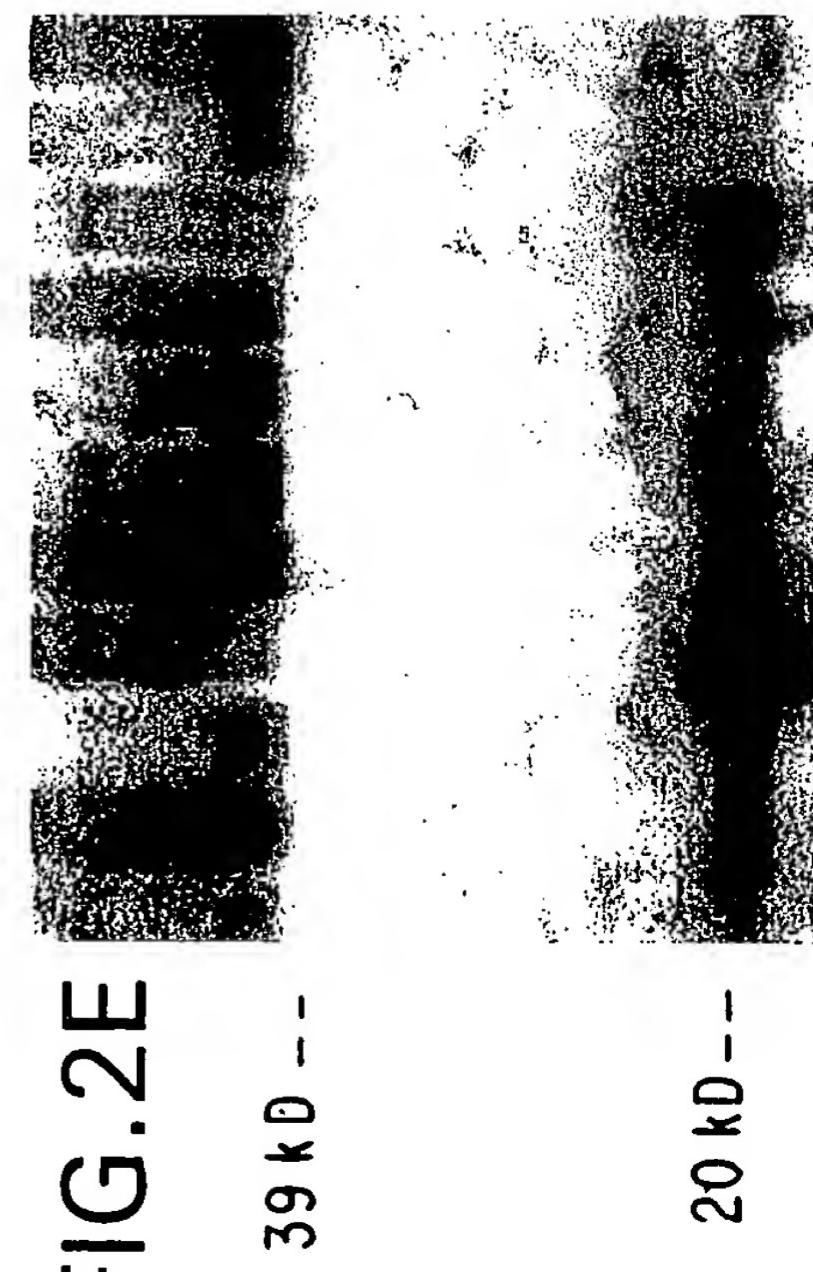
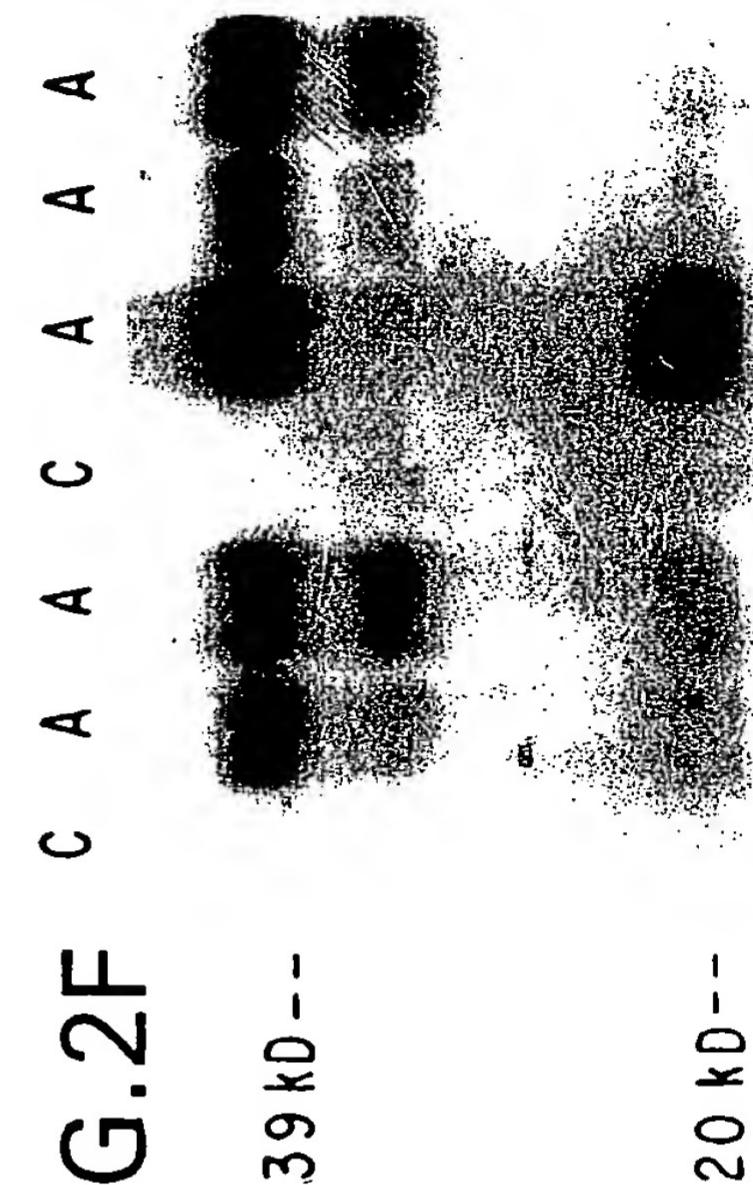


FIG. 2F



39 kD --
 20 kD --

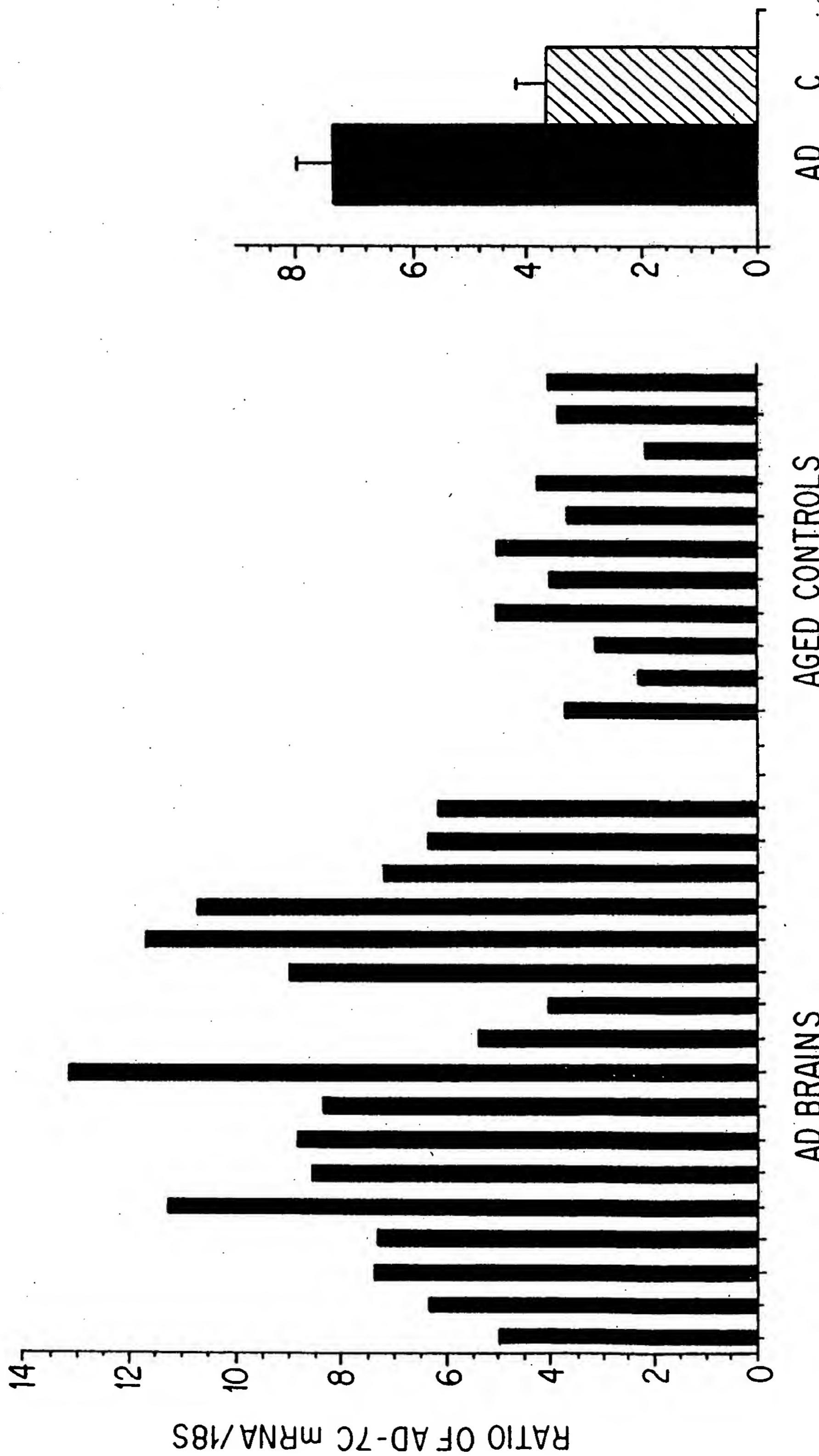


FIG. 3A

FIG. 3B

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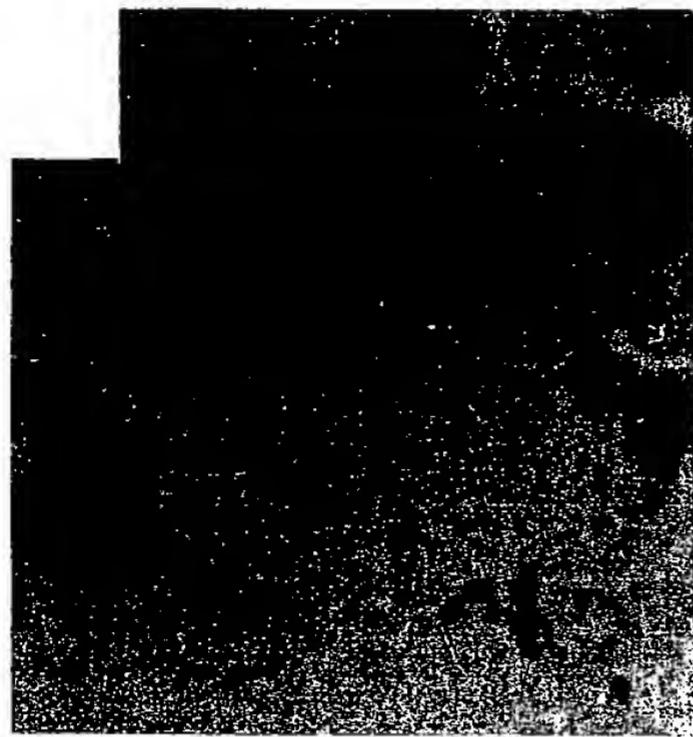


FIG.3C



FIG.3D



FIG.3E



FIG.3F

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FIG.4A FIG.4B FIG.4C FIG.4D

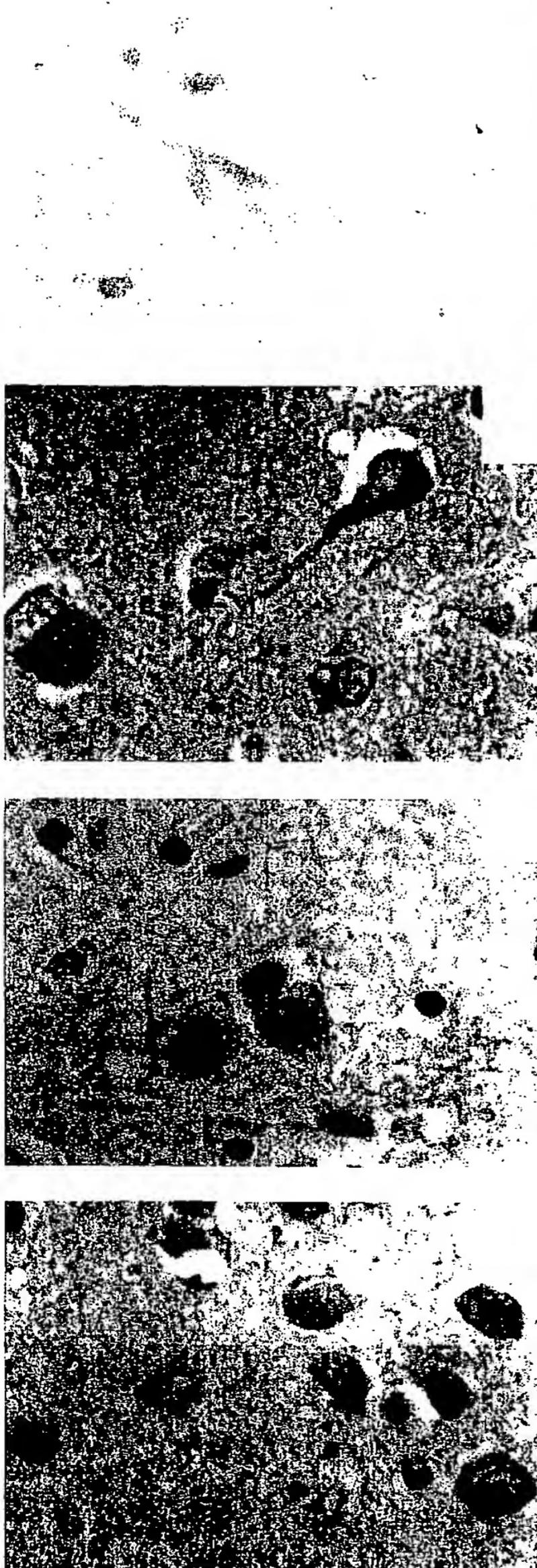
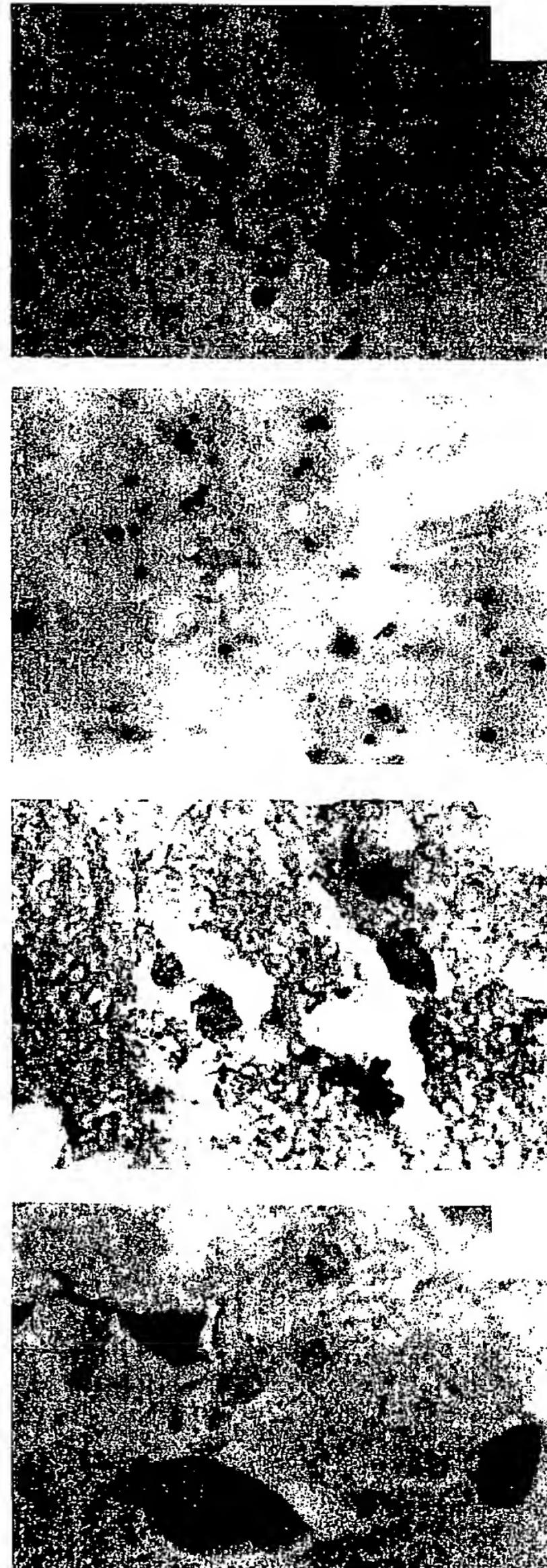


FIG.4E FIG.4F FIG.4G FIG.4H



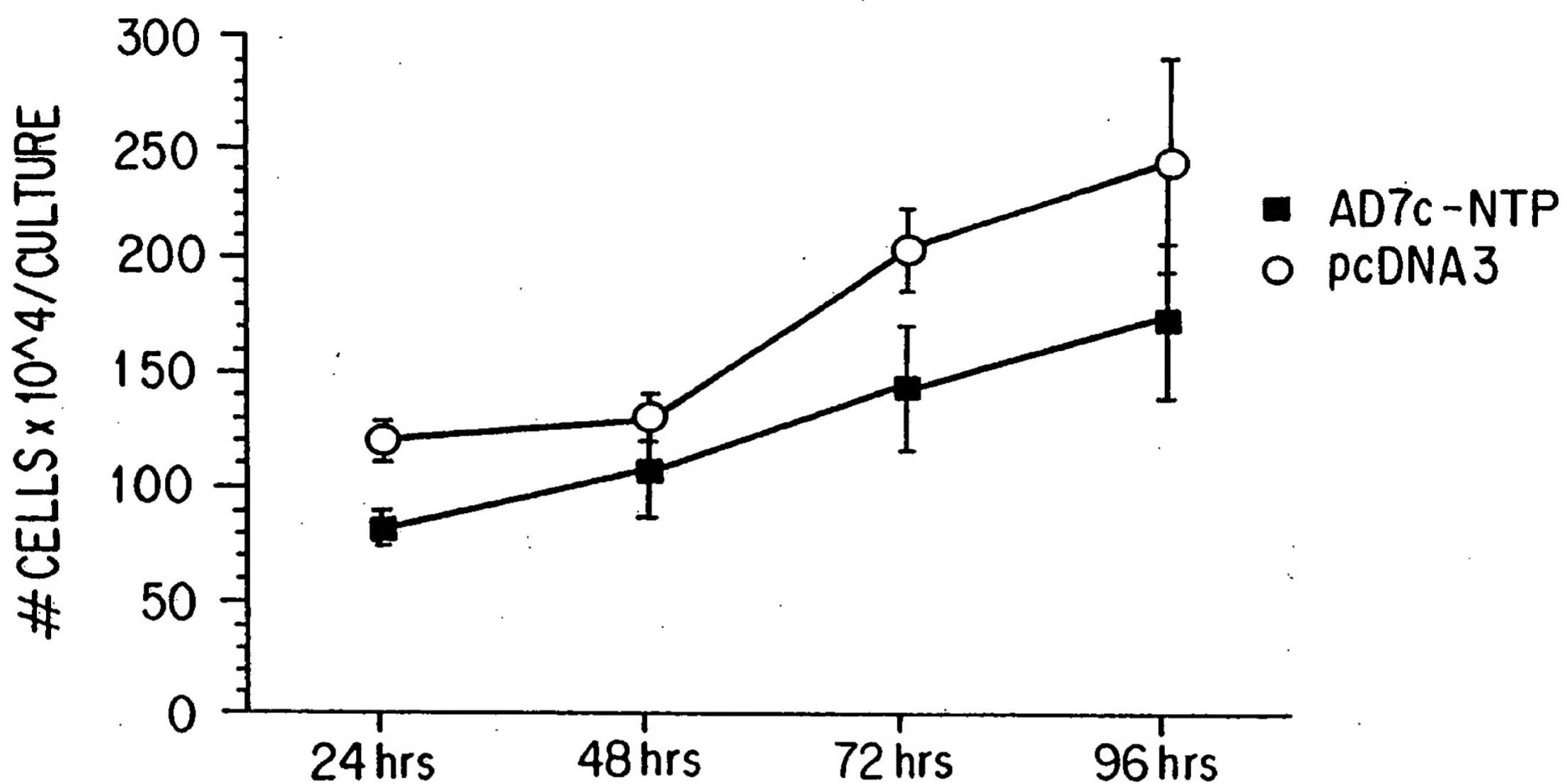


FIG. 5A

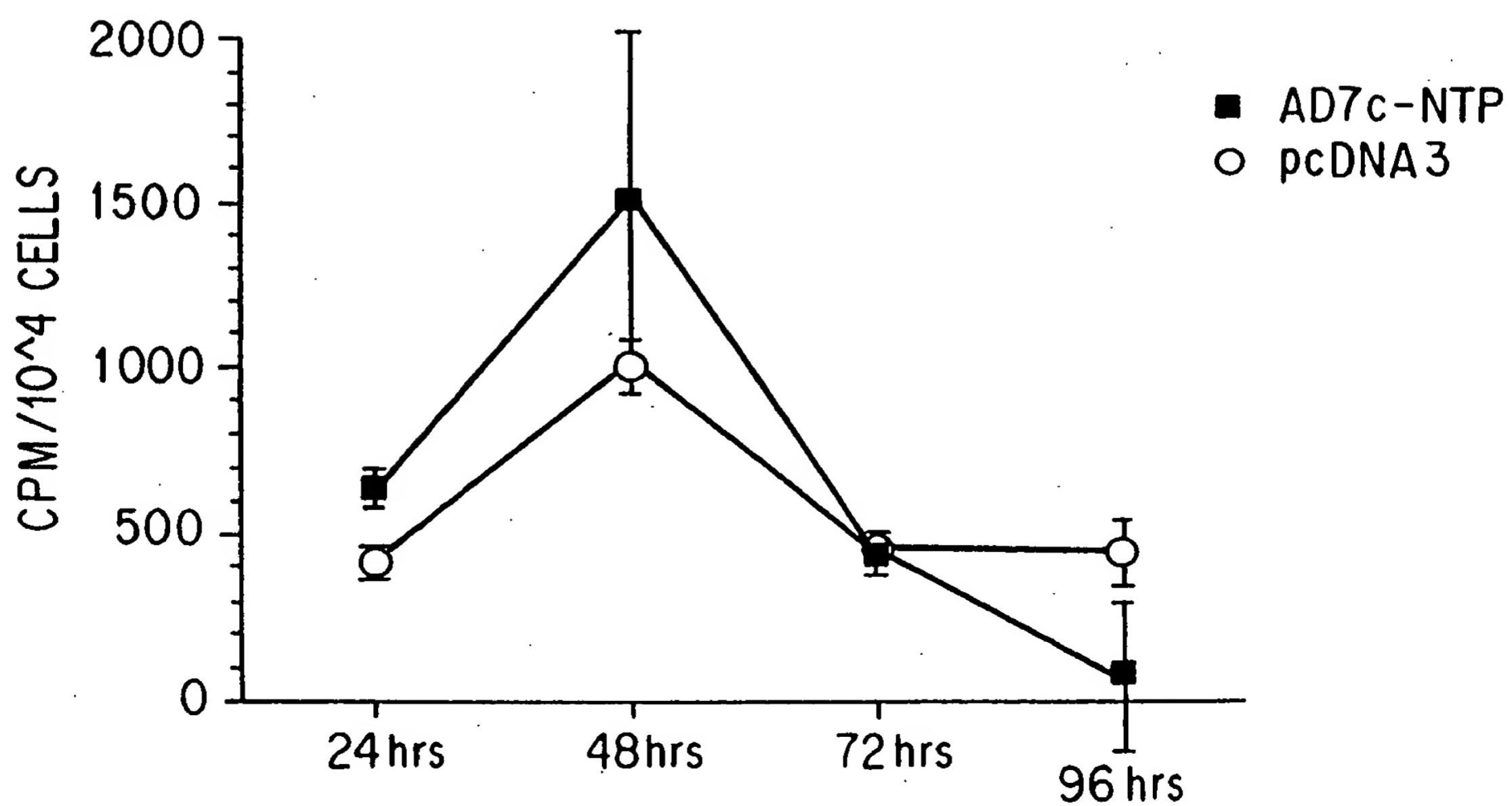


FIG. 5B

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FIG.6A

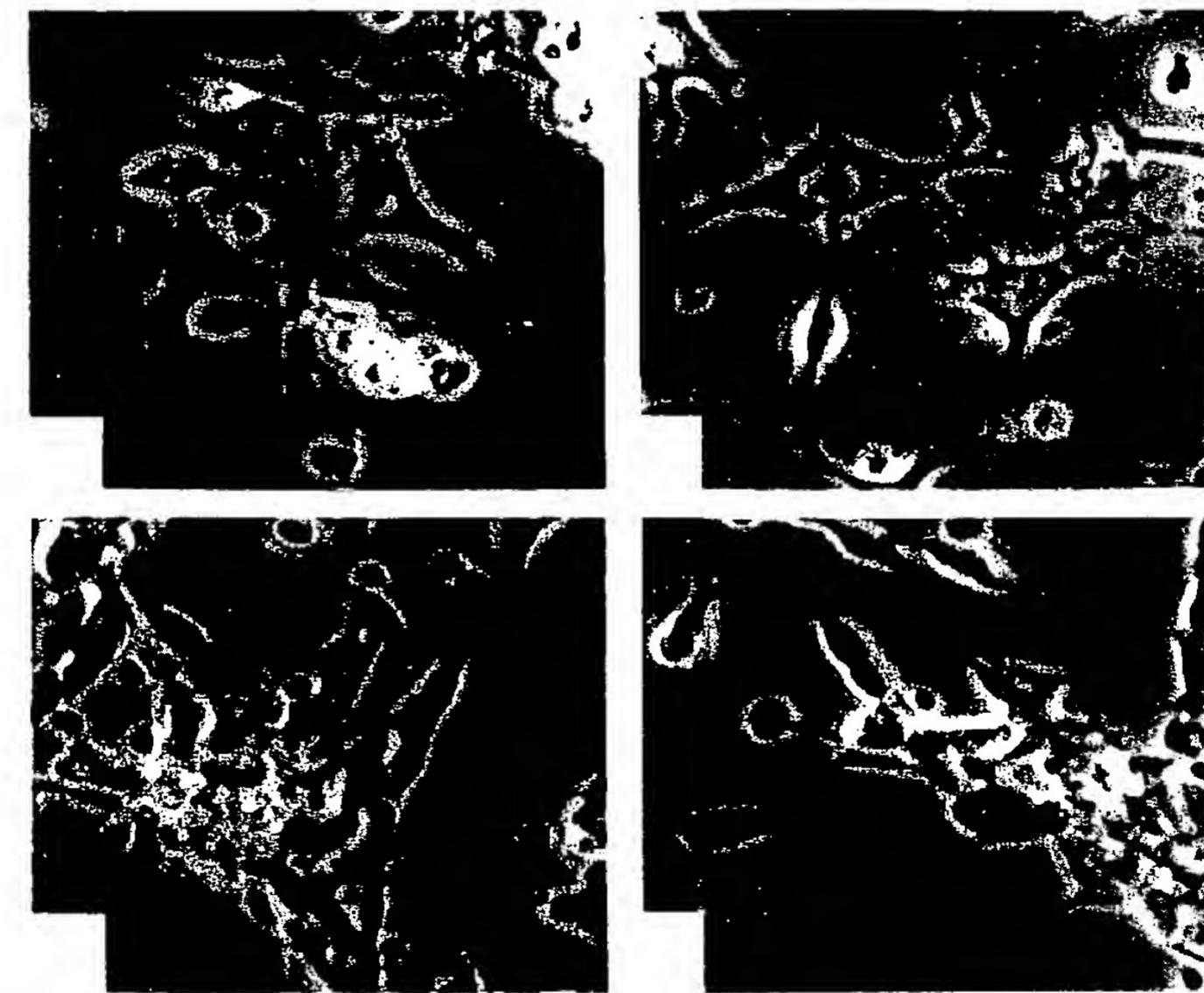


FIG.6B

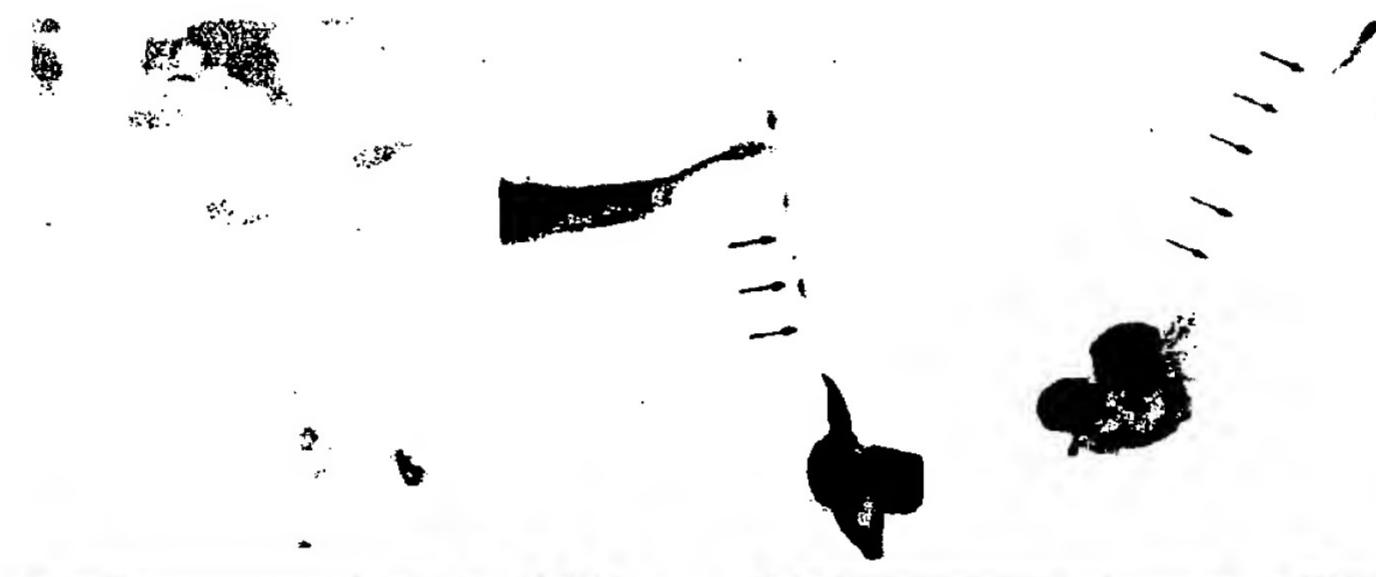


FIG.6E

FIG.6F

FIG.6G

FIG.6C

FIG.6D

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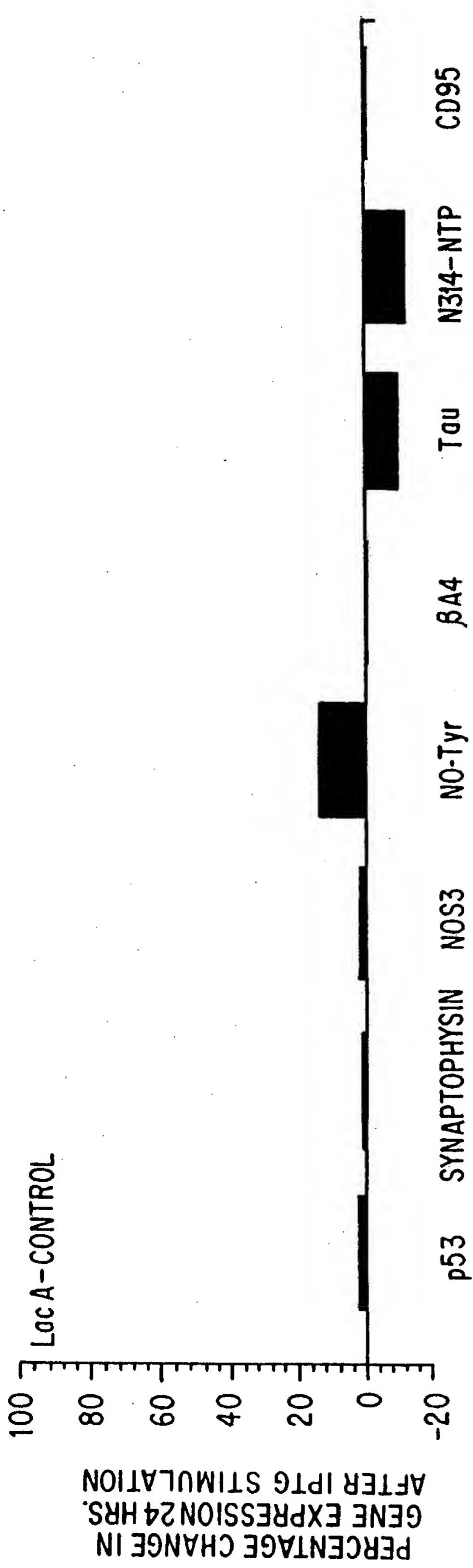


FIG. 7A

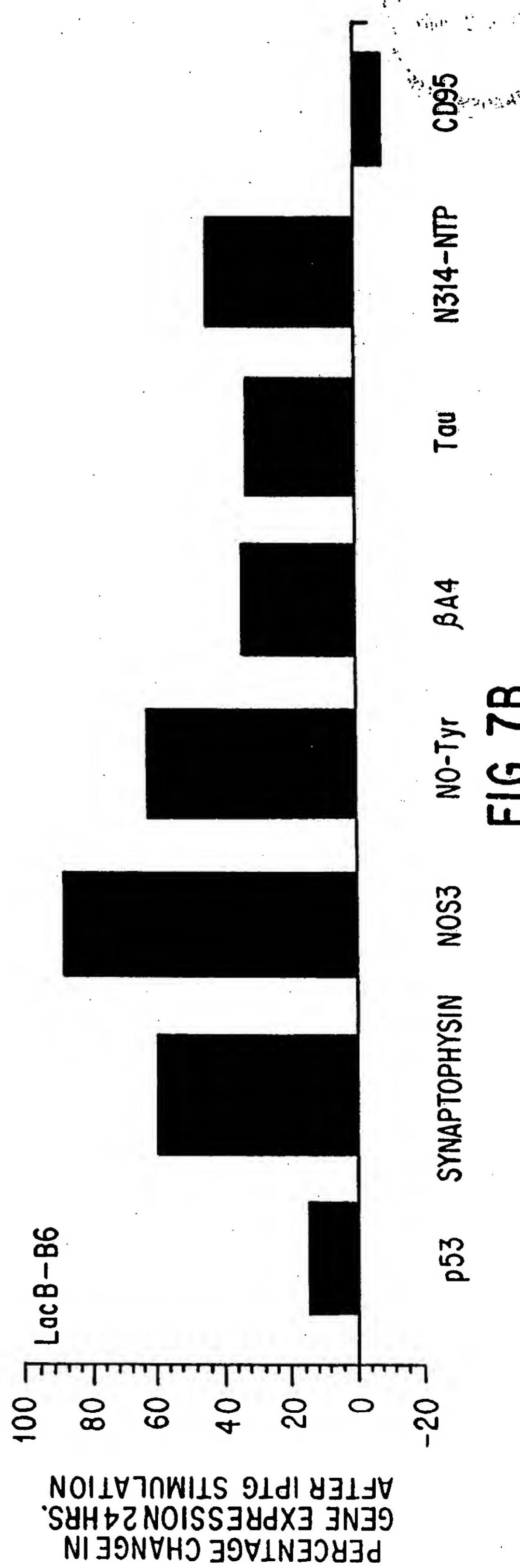


FIG. 7B

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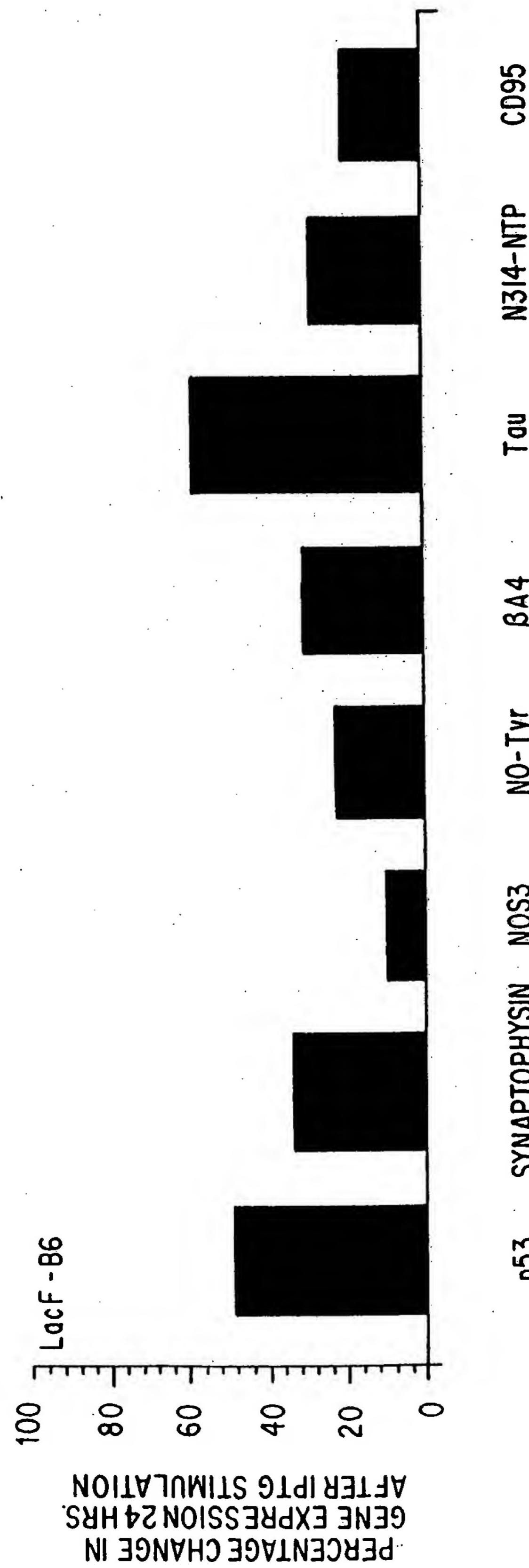


FIG. 7C

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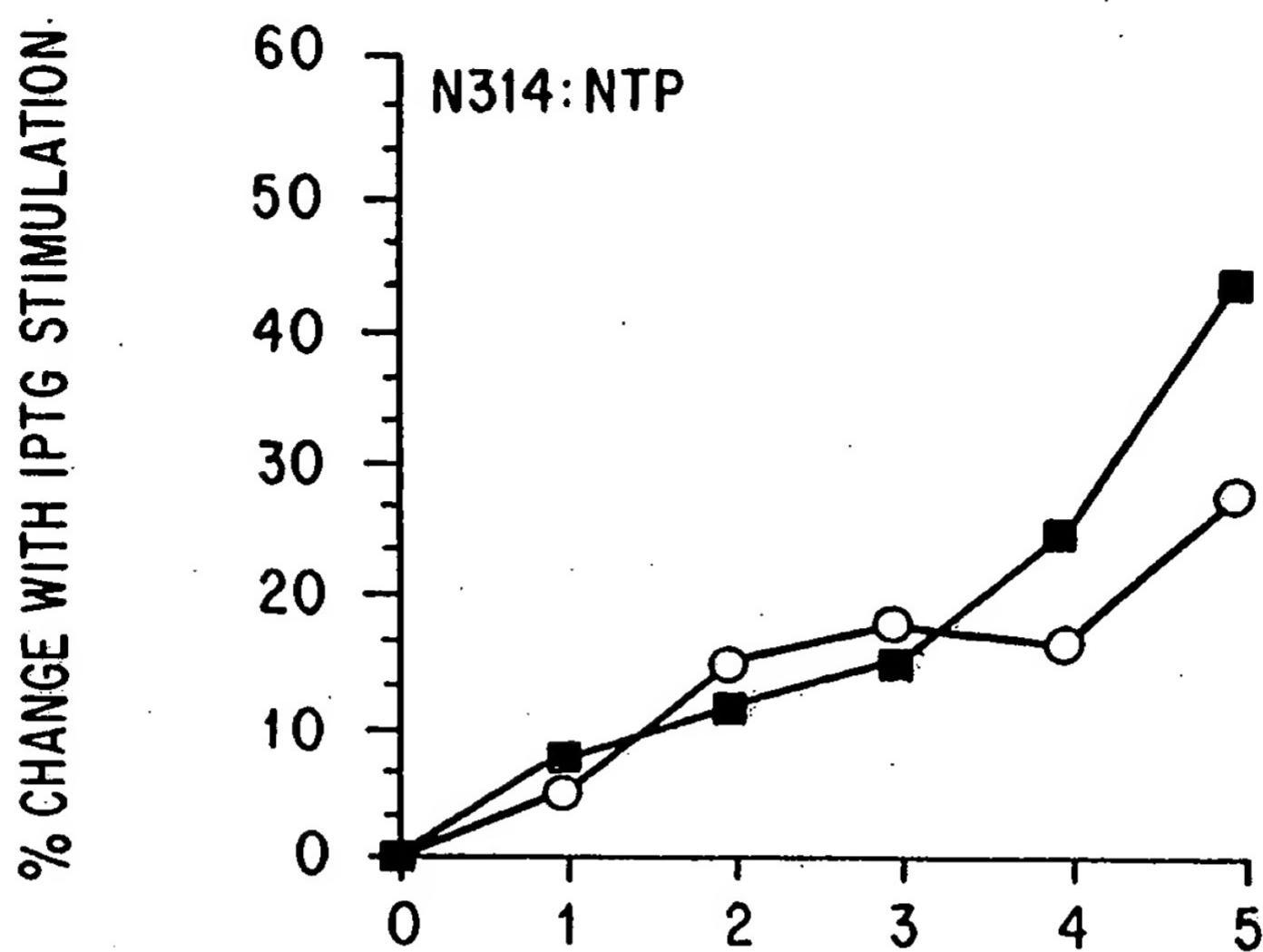


FIG. 8A

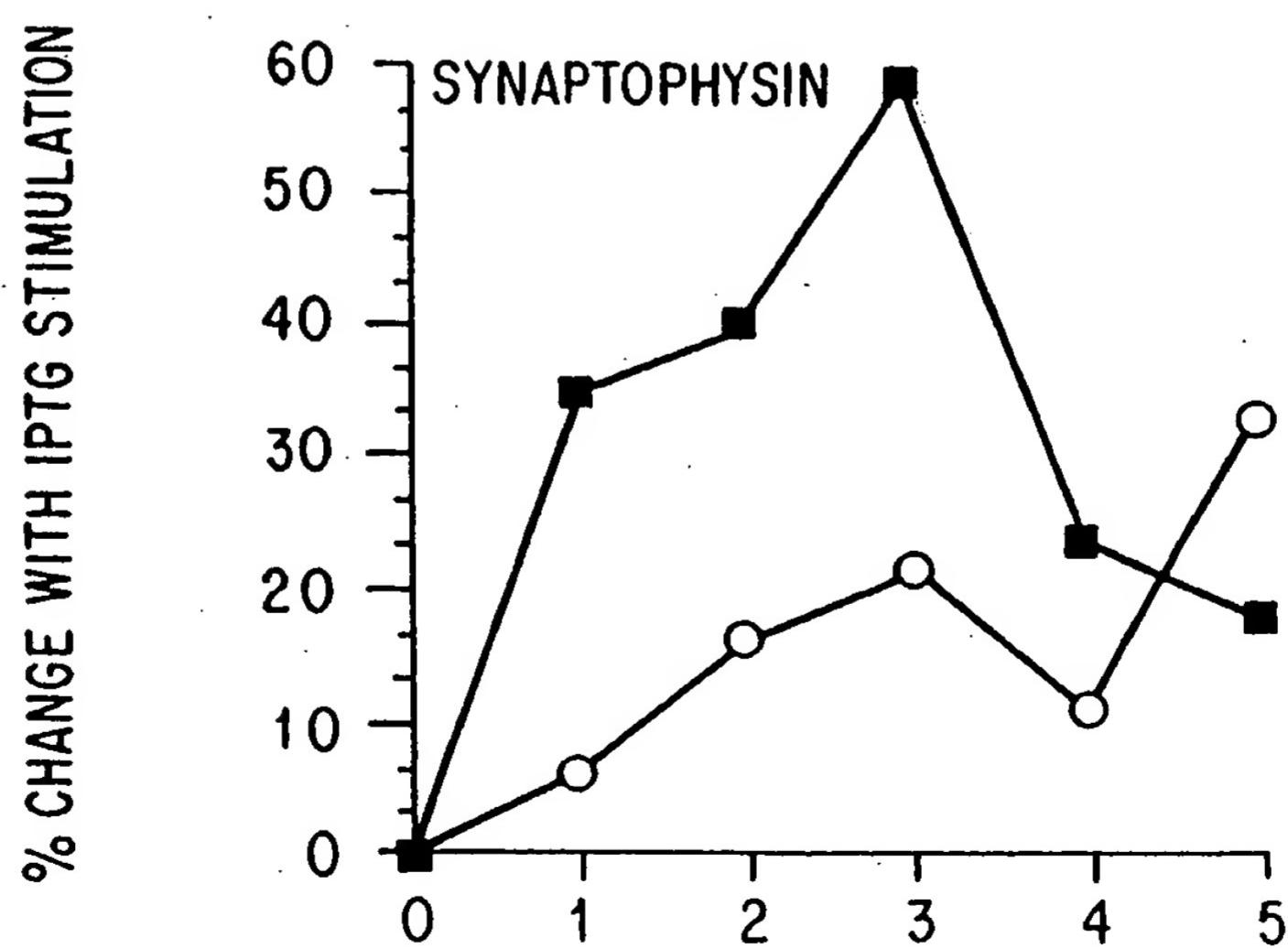


FIG. 8B

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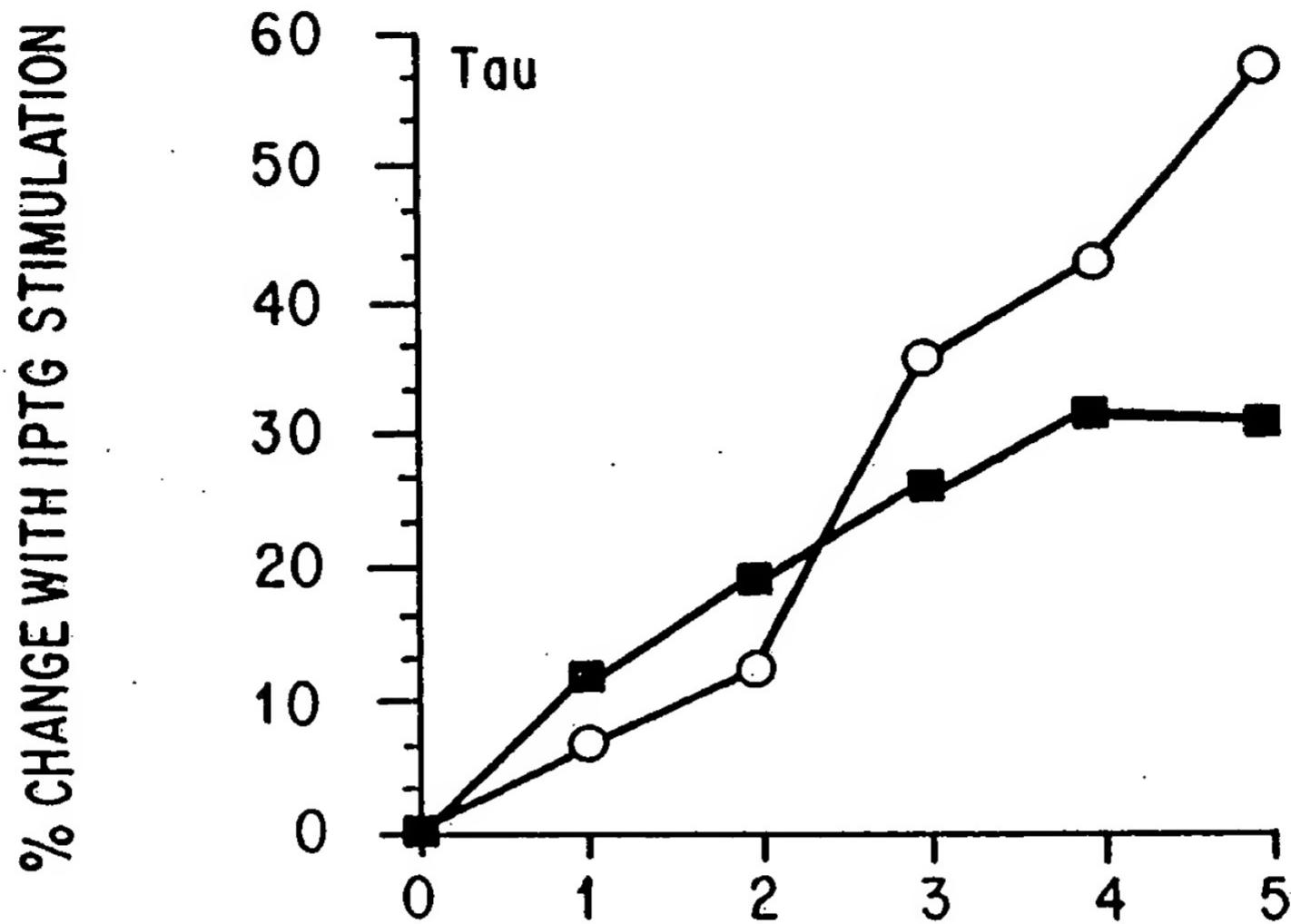


FIG. 8C

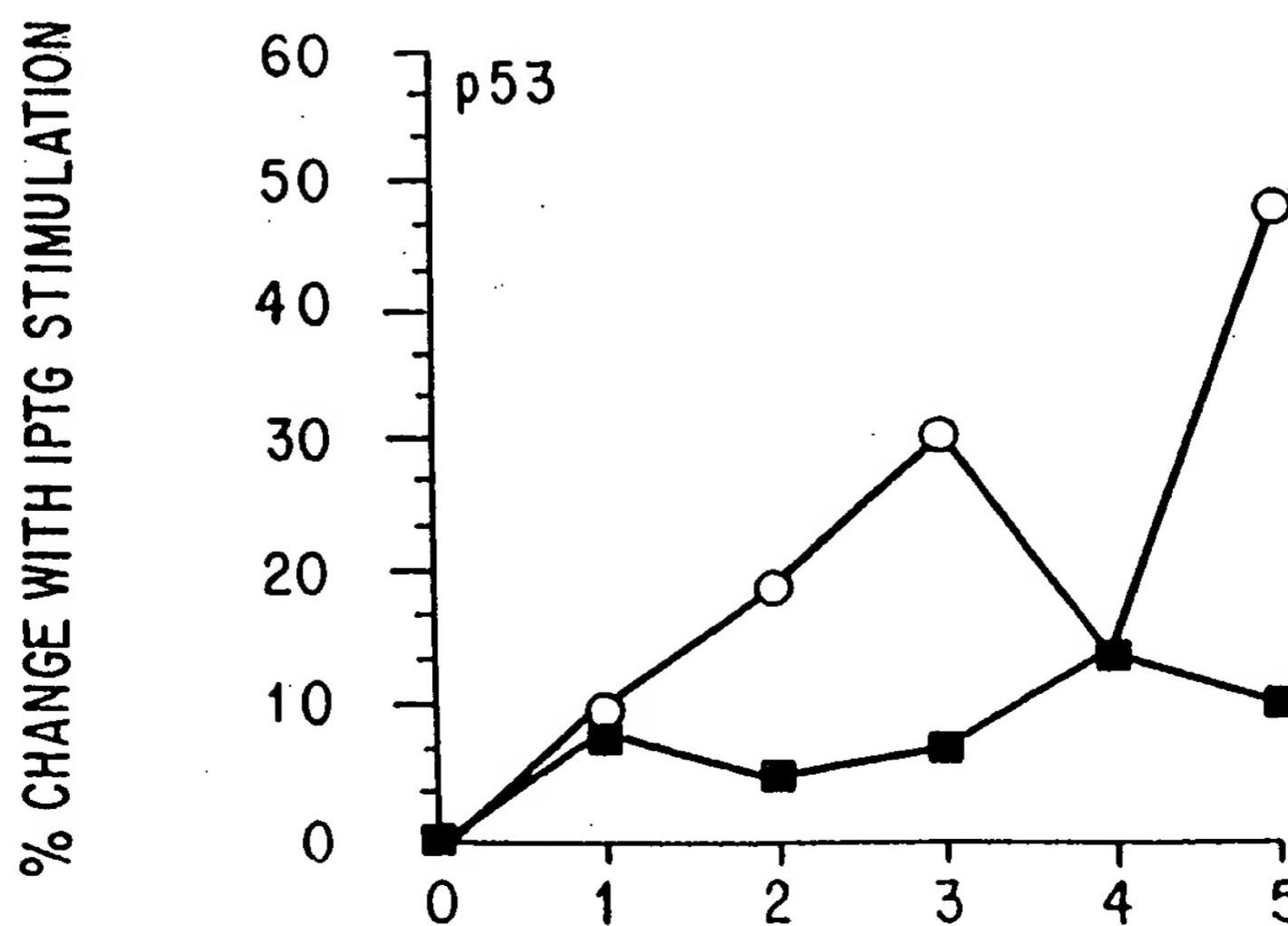


FIG. 8D

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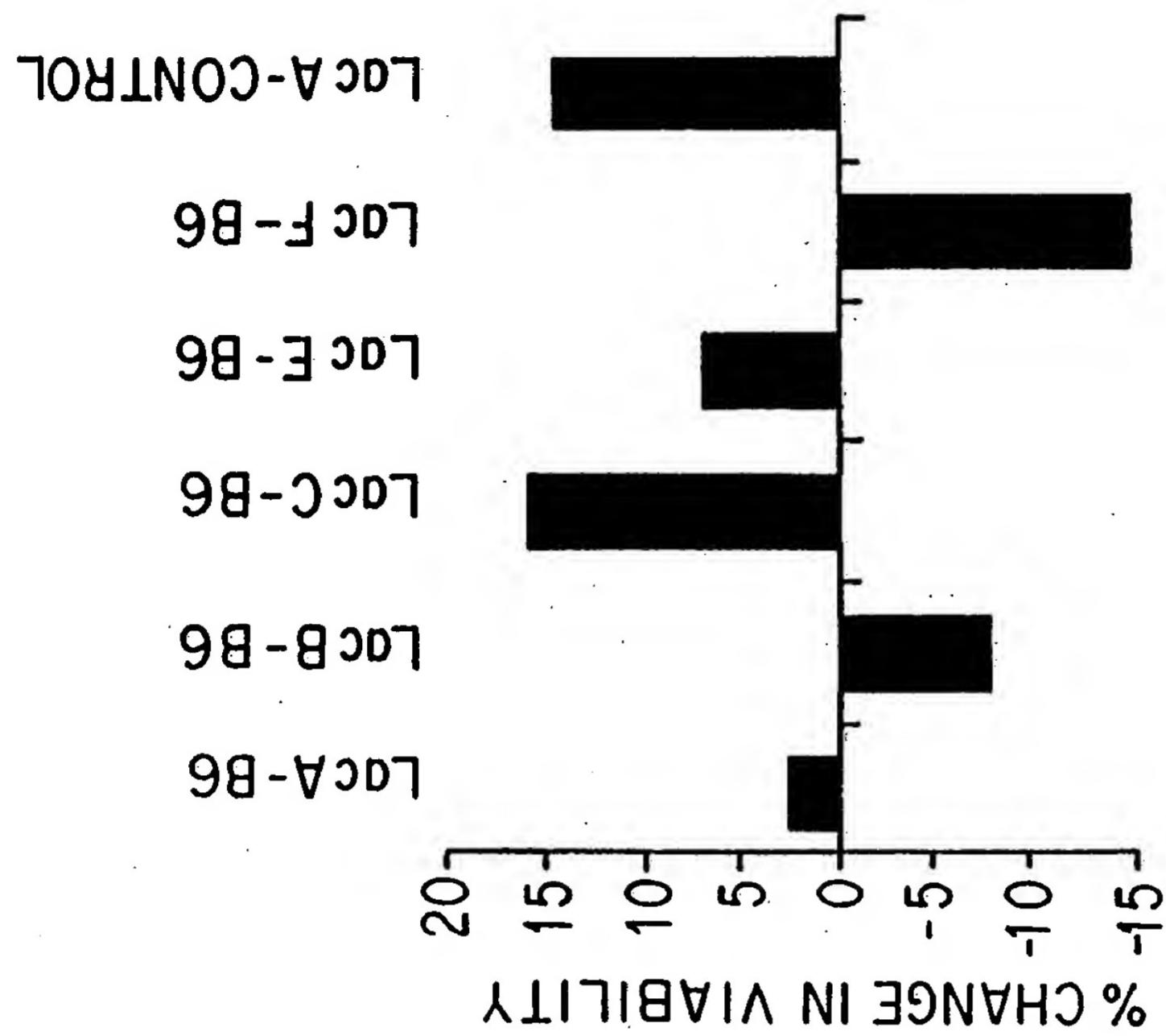


FIG. 9B

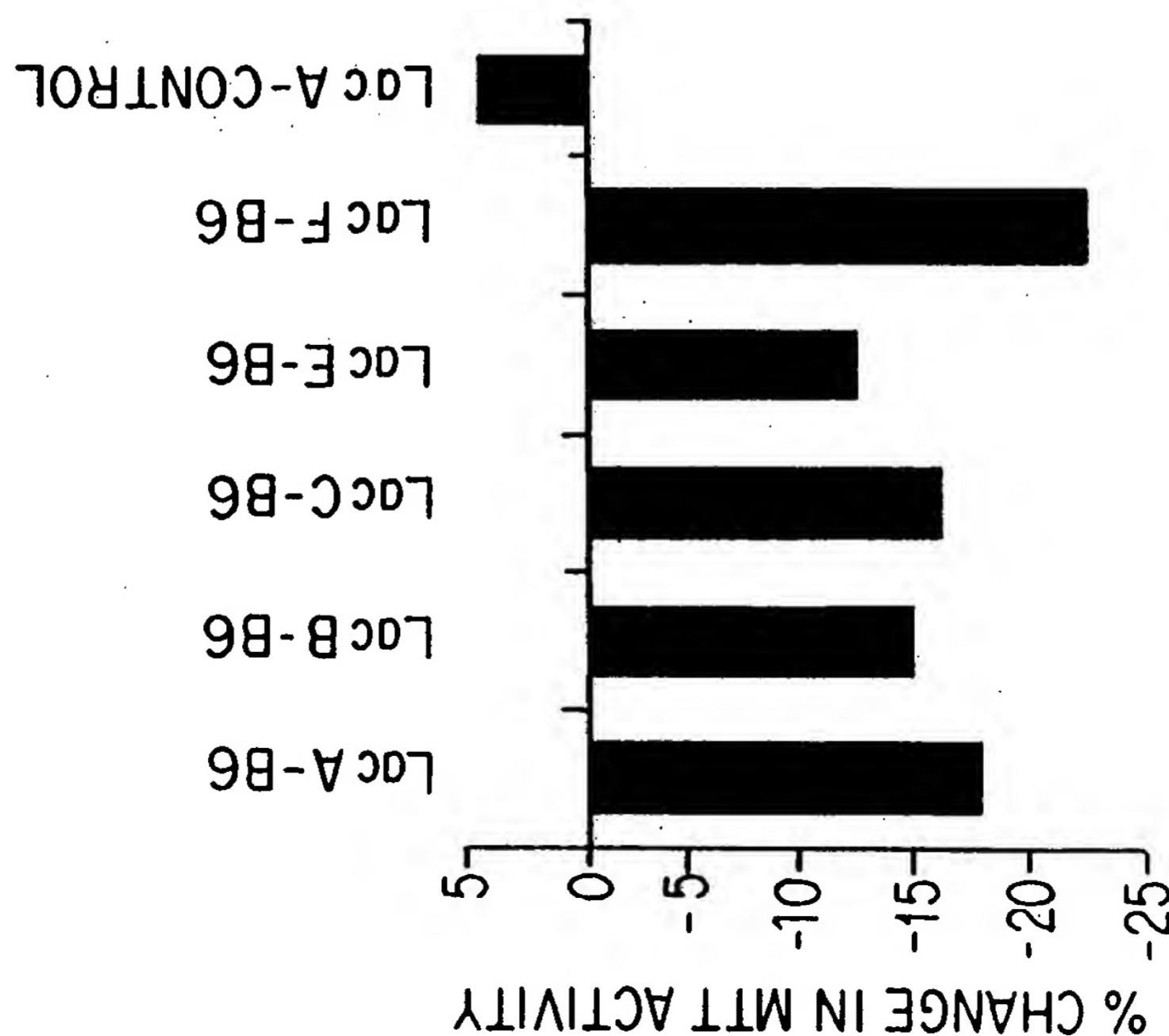


FIG. 9A

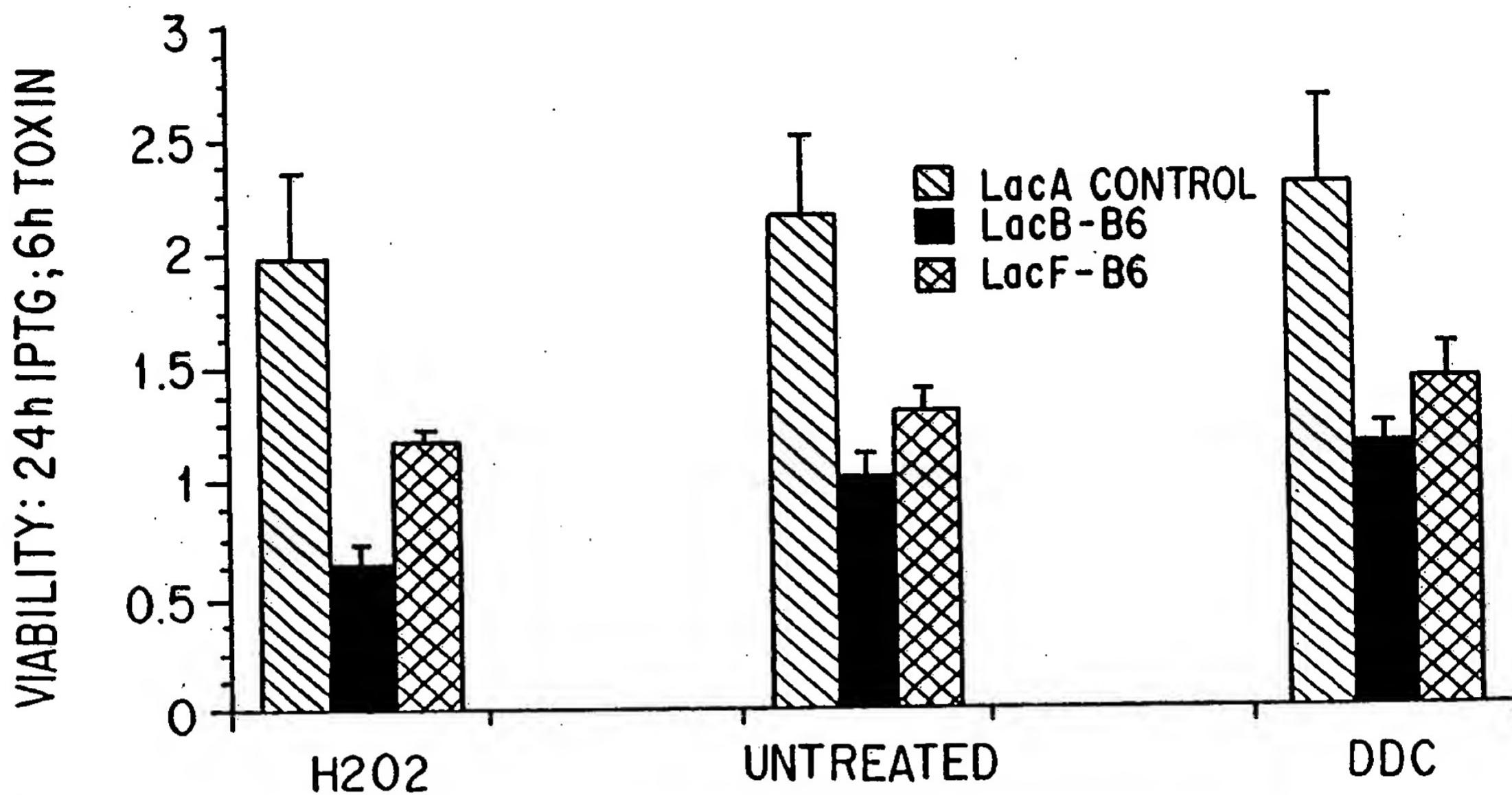


FIG. 10A

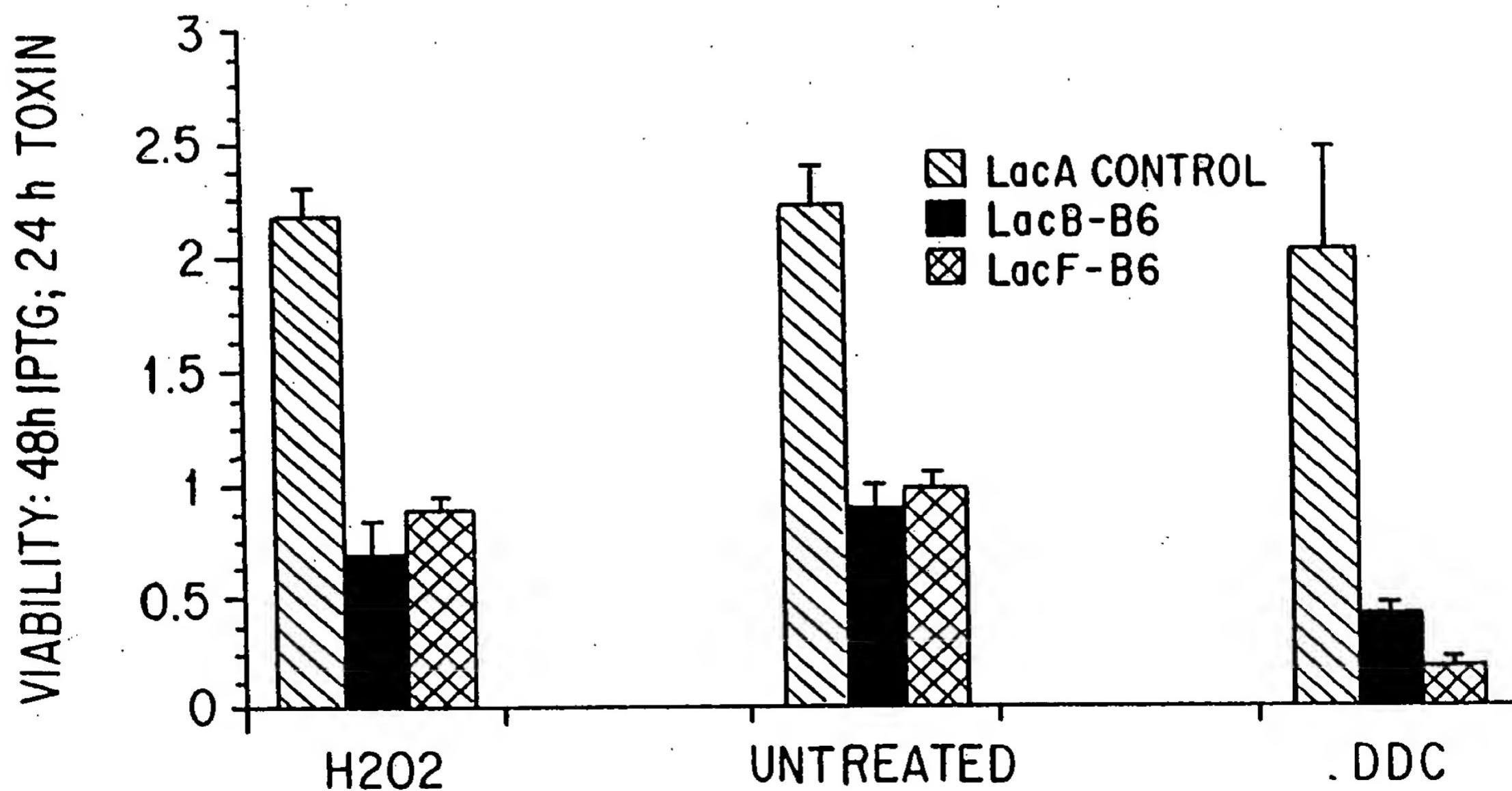


FIG. 10B

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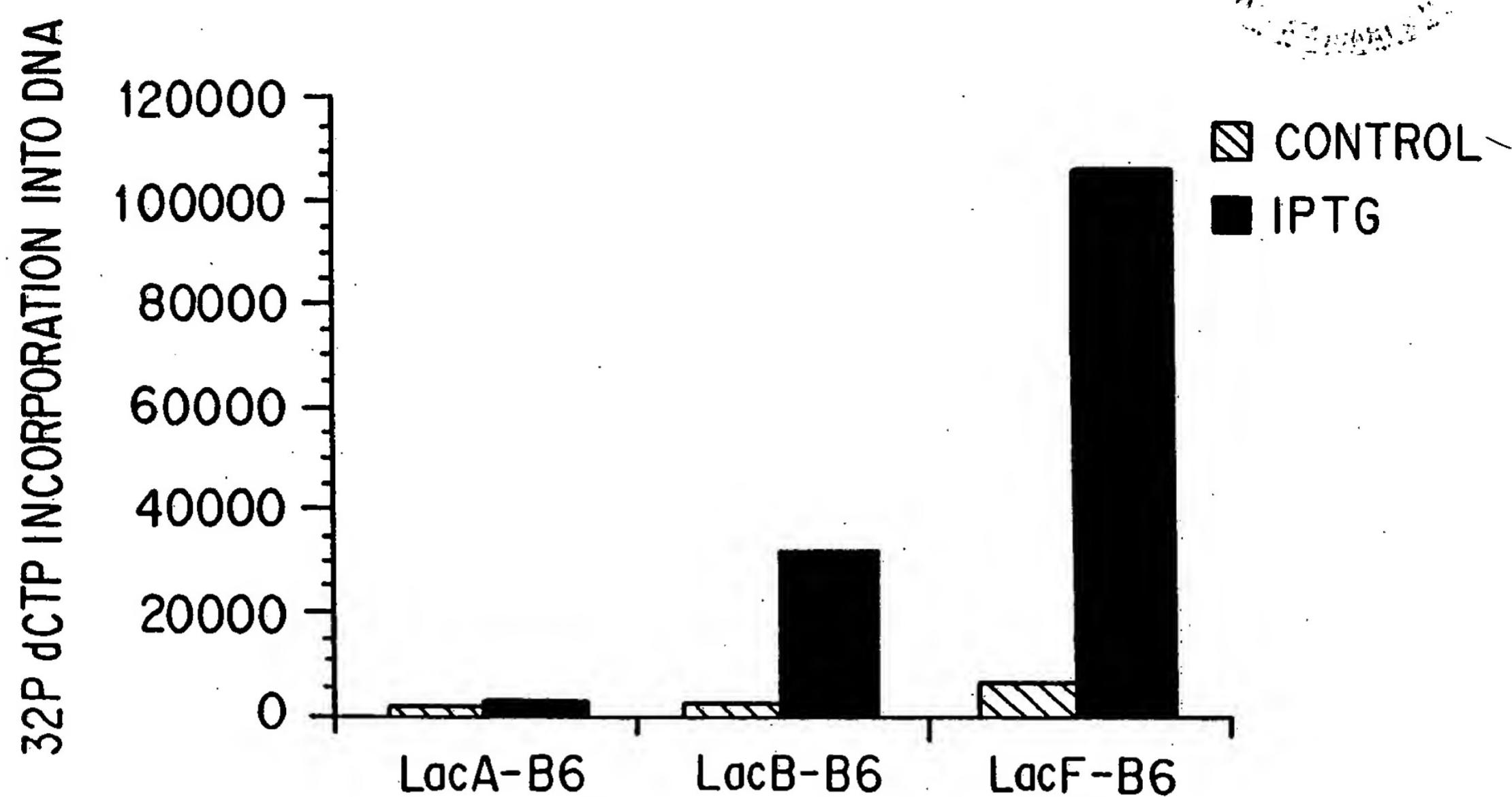


FIG. 11

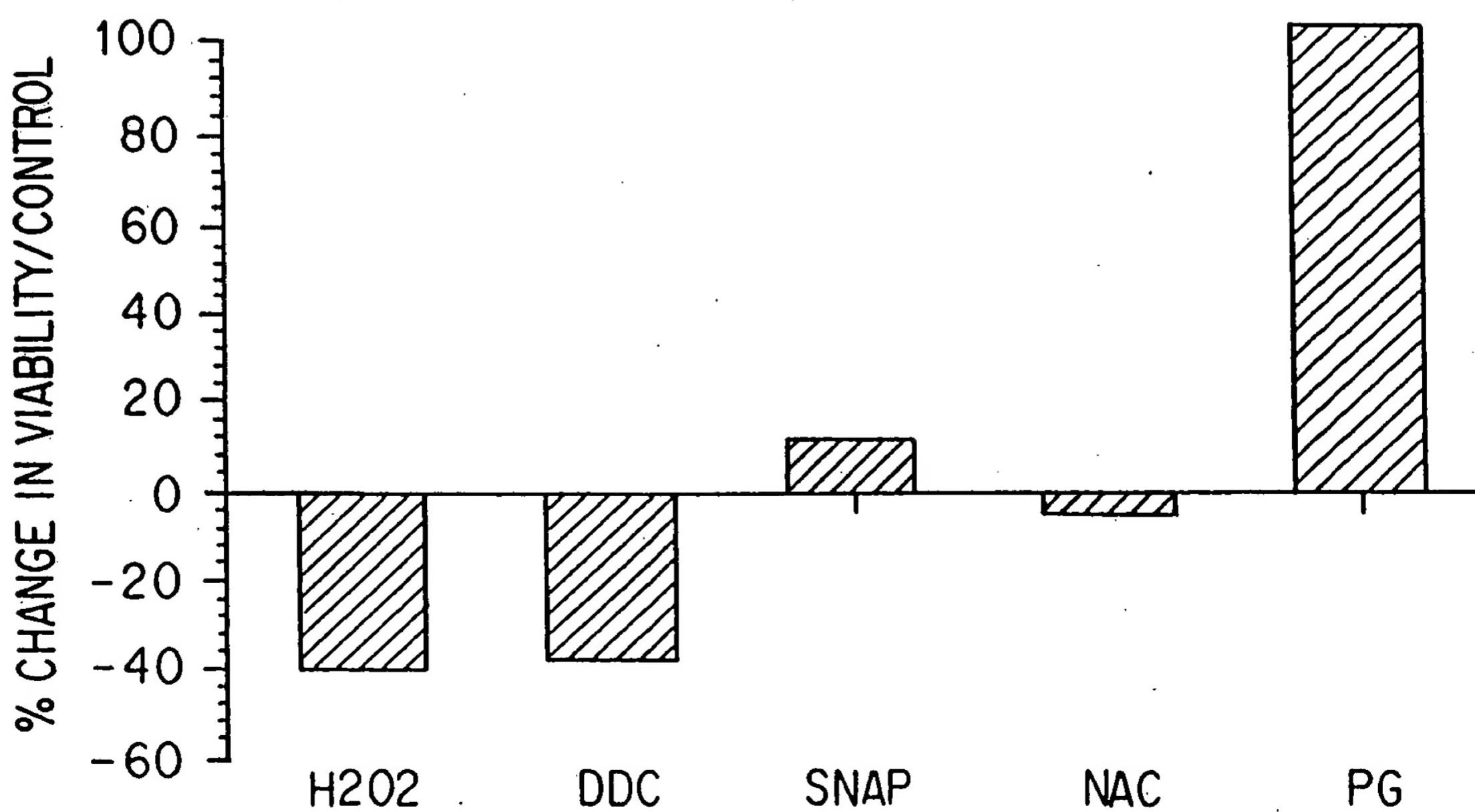


FIG. 12